#### Summary

The summary file contains summary information for all the raw files processed with a single MaxQuant run. The summary information consists of some MaxQuant parameters, information of the raw file contents, and statistics on the peak detection. Based on this file a quick overview can be gathered on the quality of the data in the raw file.

The last row in this file contains the summary information for each column on each of the processed files.

Name	Separator	Description
Raw file		The raw file processed.
Enzyme		The protease used to digest the protein sample.
Enzyme mode		The protease used to digest the protein sample.
Enzyme first search		The protease used for the first search.
Enzyme mode first search		The protease used for the first search.
Use enzyme first search		Marked with '+' when a different protease setup was used for the first search.
Variable modifications		The variable modification(s) used during the identification of peptides.
Fixed modifications		The fixed modification(s) used during the identification of peptides.
Multi modifications		The multi modification(s) used during the identification of peptides.
Variable modifications first search		The variable modification(s) used during the first search.
Use variable modifications first search		Marked with '+' when different variable modifications were used for the first search.
Requantify		The number of labels used.
Multiplicity		The number of labels used.
Max. missed cleavages		The maximum allowed number of missed cleavages.
Labels0		The labels used in the labeling experiment. Allowed values for X: 0=light; 1=medium; 2=heavy label partner.
LC-MS run type		The type of LC-MS run. Usually it will be 'Standard' which refers to a conventional shotgun proteomics run with data-dependent MS/MS.
Time-dependent recalibration		When marked with '+', time-dependent recalibration was applied to improve the data quality.
MS		The number of MS spectra recorded in this raw file.
MS/MS		The number of MS/MS spectra recorded in this raw file.
MS3		The number of MS3 spectra recorded in this raw file.
MS/MS Submitted		The number of tandem MS spectra submitted for analysis.
MS/MS Submitted (SIL)		The number of tandem MS spectra submitted for analysis, where the precursor ion was detected as part of a labeling cluster.
MS/MS Submitted (ISO)		The number of tandem MS spectra submitted for analysis, where the precursor ion was detected as an isotopic pattern.
MS/MS Submitted (PEAK)		The number of tandem MS spectra submitted for analysis, where the precursor ion was detected as a single peak.
MS/MS Identified		The total number of identified tandem MS spectra.
MS/MS Identified (SIL)		The total number of identified tandem MS spectra, where the precursor ion was detected as part of a labeling cluster.
MS/MS Identified (ISO)		The total number of identified tandem MS spectra, where the precursor ion was detected as an isotopic pattern.
MS/MS Identified (PEAK)		The total number of identified tandem MS spectra, where the precursor ion was detected as a single peak.
MS/MS Identified [%]		The percentage of identified tandem MS spectra.
MS/MS Identified (SIL) [%]		The percentage of identified tandem MS spectra, where the precursor ion was detected as part of a labeling cluster.
MS/MS Identified (ISO) [%]		The percentage of identified tandem MS spectra, where the precursor ion was detected as an isotopic pattern.
MS/MS Identified (PEAK) [%]		The percentage of identified tandem MS spectra, where the precursor ion was detected as a single peak.
Peptide Sequences Identified		The total number of unique peptide amino acid sequences identified from the recorded tandem mass spectra.
Peaks		The total number of peaks detected in the full scans.
Peaks Sequenced		The total number of peaks sequenced by tandem MS.
Peaks Sequenced [%]		The percentage of peaks sequenced by tandem MS.

Peaks Repeatedly Sequenced	The total number of peaks repeatedly sequenced (i.e. 1 or more times) by tandem MS.
Peaks Repeatedly Sequenced [%]	The percentage of peaks repeatedly sequenced (i.e. 1 or more times) by tandem MS.
Isotope Patterns	The total number of detected isotope patterns.
Isotope Patterns Sequenced	The total number of isotope patterns sequenced by tandem MS.
Isotope Patterns Sequenced (z>1)	The total number of isotope patterns sequenced by tandem MS with a charge state of 2 or more.
Isotope Patterns Sequenced [%]	The percentage of isotope patterns sequenced by tandem MS.
Isotope Patterns Sequenced (z>1) [%]	The percentage of isotope patterns sequenced by tandem MS with a charge state of 2 or more.
Isotope Patterns Repeatedly Sequenced	The total number of isotope patterns repeatedly sequenced (i.e. 1 or more times) by tandem MS.
Isotope Patterns Repeatedly Sequenced [%]	The percentage of isotope patterns repeatedly sequenced (i.e. 1 or more times) by tandem MS.
Recalibrated	When marked with '+', the masses taken from the raw file were recalibrated.
Av. Absolute Mass Deviation [ppm]	The average absolute mass deviation found comparing to the identification mass in parts per million.
Mass Standard Deviation [ppm]	The standard deviation of the mass deviation found comparing to the identification mass in parts per million.
Av. Absolute Mass Deviation [mDa]	The average absolute mass deviation found comparing to the identification mass in milli-Dalton.
Mass Standard Deviation [mDa]	The standard deviation of the mass deviation found comparing to the identification mass in milli-Dalton.

#### **Evidence**

The evidence file combines all the information about the identified peptides and normally is the only file required for processing the results. Additional information about the peptides, modifications, proteins, etc. can be found in the other files by unique identifier linkage.

Name	Separator	Description
Sequence		The identified AA sequence of the peptide.
Length		The length of the sequence stored in the column 'Sequence'.
Modifications		Post-translational modifications contained within the identified peptide sequence.
Modified sequence		Sequence representation including the post-translational modifications (abbreviation of the modification in brackets before the modified AA). The sequence is always surrounded by underscore characters ('_').
Oxidation (M) Probabilities		Sequence representation of the peptide including PTM positioning probabilities ([01], where 1 is best match) for 'Oxidation (M)'.
Oxidation (M) Score Diffs		Sequence representation for each of the possible PTM positions in each possible configuration, the difference is calculated between the identification score with the PTM added to that position and the best scoring identification where no PTM is added to that position. When this value is negative, it is unlikely that the particular modification is located at this position.
Acetyl (Protein N-term)		The number of occurrences of the modification 'Acetyl (Protein N-term)'.
Oxidation (M)		The number of occurrences of the modification 'Oxidation (M)'.
Missed cleavages		Number of missed enzymatic cleavages.
Proteins		The identifiers of the proteins this particular peptide is associated with.
Leading proteins		The identifiers of the proteins in the proteinGroups file, with this protein as best match, this particular peptide is associated with. When multiple matches are found here, the best scoring protein can be found in the 'Leading Razor Protein' column.
Leading razor protein		The identifier of the best scoring protein, from the proteinGroups file this, this peptide is associated to.
Gene names		Names of genes this peptide is associated with.
Protein names		Names of proteins this peptide is associated with.
Type		The type of the feature. 'MSMS' for an MS/MS spectrum without an MS1 isotope pattern assigned. 'ISO-MSMS' MS1 isotope cluster identified by MS/MS. 'MULTI-MSMS' MS1 labeling cluster identified by MS/MS. 'MULTI-SECPEP' MS1 labeling cluster identified by MS/MS as second peptide. 'MULTI-MATCH' MS1 labeling cluster identified by matching between runs. In case of label-free data there is no difference between 'MULTI' and 'ISO'.
Raw file		The name of the RAW-file the mass spectral data was derived from.
MS/MS m/z		The m/z used for fragmentation (not necessarily the monoisotopic m/z).
Charge		The charge-state of the precursor ion.
m/z		The recalibrated mass-over-charge value of the precursor ion.
Mass		The predicted monoisotopic mass of the identified peptide sequence.
Resolution		The resolution of precursor ion measured in Full Width at Half Maximum (FWHM).
Uncalibrated - Calibrated m/z [ppm]		The difference between the uncalibrated and recalibrated mass-over-charge value of the precursor ion measured in parts-per-million. This gives an indication of the mass drift in the original data, which was automatically corrected by MaxQuant.
Uncalibrated - Calibrated m/z [Da]		The difference between the uncalibrated and recalibrated mass-over-charge value of the precursor ion measured in parts-per-million. This gives an indication of the mass drift in the original data, which was automatically corrected by MaxQuant.
Mass error [ppm]		Mass error of the recalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence in parts per million.
Mass error [Da]		Mass error of the recalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence in milli-Dalton.

Mass arror of the uncellibrated mass over shares value of the
Mass error of the uncalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence.
Note: This column can contain missing values (denoted as NaN).
Mass error of the uncalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence.
Note: This column can contain missing values (denoted as NaN).
Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
The uncalibrated retention time in minutes in the elution profile of the precursor ion.
The total retention time length of the peak (last time point first time point).
The recalibrated retention time in minutes in the elution profile of the precursor ion.
The recalibrated retention start in minutes in the elution profile of the precursor ion.
The recalibrated retention finish in minutes in the elution profile of the precursor ion.
The difference in minutes between the uncalibrated and recalibrated retention time. This gives an indication of the retention time drift in the original data, which was automatically corrected by MaxQuant.
Note: This column can contain missing values (NaN).
When the option match between runs is used in MaxQuant, this value indicates the time difference between the feature from the raw file it was taken from and the feature from the raw file it was matched to.
When the option match between runs is used in MaxQuant, this value indicates the m/z difference between the feature from the raw file it was taken from and the feature from the raw file it was matched to.
This is the q-value for features that have been identified by 'matching between runs'.
The andromeda score of the MS/MS identification that is the source of this identification by 'matching between runs'.
The number of data points (peak centroids) collected for this peptide feature.
The number of MS scans that the 3d peaks of this peptide feature are overlapping with.
The number of isotopic peaks contained in this peptide feature.
Short for Parent Ion Fraction; indicates the fraction the target peak makes up of the total intensity in the inclusion window.
The percentage the ion intensity makes up of the total intensity of the whole spectrum.
The percentage the parent ion intensity in comparison to the highest peak in the MS spectrum.
Posterior Error Probability of the identification. This value essentially operates as a p-value, where smaller is more significant.
The number of sequencing events for this sequence, which matches the number of identifiers stored in the column MS/MS IDs.
The RAW-file derived scan number of the MS/MS with the highest peptide identification score (the highest score is stored in the column 'Score').
Andromeda score for the best associated MS/MS spectrum.
Score difference to the second best identified peptide.
Number of possible distributions of the modifications over the peptide sequence.
Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.

Reporter intensity corrected 8	
Reporter intensity corrected 9	
Reporter intensity corrected 10	
Reporter intensity corrected 11	
Reporter intensity corrected 12	
Reporter intensity corrected 13	
Reporter intensity corrected 14	
Reporter intensity corrected 15	
Reporter intensity corrected 16	
Reporter intensity 1	
Reporter intensity 2	
Reporter intensity 3	
Reporter intensity 4	
Reporter intensity 5	
Reporter intensity 6	
Reporter intensity 7	
Reporter intensity 8	
Reporter intensity 9	
Reporter intensity 10	
Reporter intensity 11	
Reporter intensity 12	
Reporter intensity 13	
Reporter intensity 14	
Reporter intensity 15	
Reporter intensity 16	
Reporter intensity count 1	
Reporter intensity count 2	
Reporter intensity count 3	
Reporter intensity count 4	
Reporter intensity count 5	
Reporter intensity count 6	
Reporter intensity count 7	
Reporter intensity count 8	
Reporter intensity count 9 Reporter intensity count 10	
Reporter intensity count 11	
Reporter intensity count 12	
Reporter intensity count 13	
Reporter intensity count 14	
Reporter intensity count 15	
Reporter intensity count 16	
Reporter PIF	
Reporter fraction	
Reverse	When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.
Potential contaminant	When marked with '+', this particular peptide was found to be part of a commonly occurring contaminant. These should be removed for further data analysis.
id	A unique (consecutive) identifier for each row in the evidence table, which is used to cross-link the information in this file with the information stored in the other files.
Protein group IDs	The identifier of the protein-group this redundant peptide sequence is associated with, which can be used to look up the extended protein information in the file 'proteinGroups.txt'. As a single peptide can be linked to multiple proteins (e.g. in the case of razor-proteins), multiple ids can be stored here separated by a semicolon. As a protein can be identified by multiple peptides, the same id can be found in different rows.
Peptide ID	 The identifier of the non-redundant peptide sequence.
Mod. peptide ID	Identifier of the associated modification summary stored in the file 'modificationSpecificPeptides.txt'.
MS/MS IDs	Identifier(s) of the associated MS/MS summary(s) stored in the file 'msms.txt'.
Best MS/MS	Identifier(s) of the best MS/MS associated spectrum stored in the file 'msms.txt'.
Oxidation (M) site IDs	Identifier(s) of the modification summary stored in the file 'Oxidation (M)Sites.txt'.

### **Peptides**

The peptides table contains information on the identified peptides in the processed raw-files.

Netmo cleavage window Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Ceterm cleavage window Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around the C-terminal Sequence window from -15 to 15 around the C-terminal Sequence window from -15 to 15 around the N-terminal Sequence window from -15 to 15 around sequence sequence after the peptide sequence. Amino acid after The amino acid in the first position of the peptide sequence. Amino acid after The amino acid in the position of the peptide sequence. Amino acid after The amino acid in the protein sequence after the peptide. R Count The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. C Count The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained	Name	Separator	Description
cleavage window Sequence window from 1-15 to 15 around the C-terminal cleavage site of this peptide. Amino acid before The amino acid in the protein sequence before the peptide. First amino acid The amino acid in the first position of the peptide sequence. Second amino acid The amino acid in the first position of the peptide sequence. Second also amino acid The amino acid in the last position of the peptide sequence. Last amino acid The amino acid in the last position of the peptide sequence. A Count The amino acid in the last position of the peptide sequence. A Count The number of instances of the 'N' amino acid contained within the sequence. The sequence of the 'N' amino acid contained within the sequence of the 'N' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino aci	Sequence		The amino acid sequence of the identified peptide.
cleavage site of this peptide.  A mino acid before  The amino acid in the protein sequence before the peptide.  First amino acid  The amino acid in the first position of the peptide sequence.  Second amino acid  The amino acid in the first position of the peptide sequence.  Second ast amino acid  The amino acid in the list position of the peptide sequence.  Last amino acid  The amino acid in the last position of the peptide sequence.  Last amino acid after  The amino acid in the last position of the peptide sequence.  A Count  The number of instances of the 'R' amino acid contained within the sequence.  R Count  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  E Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequen	N-term cleavage window		
First amino acid  The amino acid in the first position of the peptide sequence. Second amino acid  The amino acid in the first position of the peptide sequence. Last amino acid  The amino acid in the last position of the peptide sequence. Last amino acid  The amino acid in the last position of the peptide sequence. Amino acid after  The amino acid in the last position of the peptide sequence. Amino acid after  The amino acid in the last position of the peptide sequence. Amino acid after  R Count  The number of instances of the 'R' amino acid contained within the sequence.  R Count  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'C' amino acid contained within the sequence.  The number of instances of the 'C' amino acid contained within the sequence.  The number of instances of the 'C' amino acid contained within the sequence.  G Count  The number of instances of the 'C' amino acid contained within the sequence.  The number of instances of the 'G' amino acid contained within the sequence.  I Count  The number of instances of the 'C' amino acid contained within the sequence.  I Count  The number of instances of the 'T' amino acid contained within the sequence.  I Count  The number of instances of the 'T' amino acid contained within the sequence.  I Count  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.	C-term cleavage window		Sequence window from -15 to 15 around the C-terminal cleavage site of this peptide.
Second amino acid The amino acid in the first position of the peptide sequence. Second last amino acid The amino acid in the last position of the peptide sequence. The amino acid in the last position of the peptide sequence. Amino acid after The amino acid in the last position of the peptide sequence. Amino acid after The amino acid in the protein sequence after the peptide. The amino acid in the protein sequence after the peptide. The number of instances of the 'A' amino acid contained within the sequence. The number of instances of the 'A' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'L' amino acid contained within the sequence. The number of instances of the 'L' amino acid contained within the sequence. The number of instances of the 'L' amino acid contained within the sequence. The number of instances of the 'N' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the seq	Amino acid before		The amino acid in the protein sequence before the peptide.
Second last amino acid  The amino acid in the last position of the peptide sequence. Last amino acid after  The amino acid in the last position of the peptide sequence. A Count  The amino acid in the protein sequence after the peptide. A Count  The number of instances of the 'A' amino acid contained within the sequence.  R Count  The number of instances of the 'N' amino acid contained within the sequence.  N Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  I Count  The number of instances of the 'D' amino acid contained within the sequence.  I Count  The number of instances of the 'D' amino acid contained within the sequence.  K Count  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the 'D' amino acid contained within the sequence.  The number of instances of the	First amino acid		The amino acid in the first position of the peptide sequence.
Last amino acid The amino acid in the last position of the peptide sequence. Amino acid after The amino acid in the protein sequence after the peptide. A Count The number of instances of the "A" amino acid contained within the sequence.  R Count The number of instances of the "R" amino acid contained within the sequence.  N Count The number of instances of the "N" amino acid contained within the sequence.  D Count The number of instances of the "D" amino acid contained within the sequence.  C Count The number of instances of the "C" amino acid contained within the sequence.  C Count The number of instances of the "C" amino acid contained within the sequence.  E Count The number of instances of the "C" amino acid contained within the sequence.  G Count The number of instances of the "G" amino acid contained within the sequence.  G Count The number of instances of the "G" amino acid contained within the sequence.  H Count The number of instances of the "H" amino acid contained within the sequence.  I Count The number of instances of the "H" amino acid contained within the sequence.  I Count The number of instances of the "L" amino acid contained within the sequence.  I Count The number of instances of the "L" amino acid contained within the sequence.  I Count The number of instances of the "L" amino acid contained within the sequence.  F Count The number of instances of the "L" amino acid contained within the sequence.  F Count The number of instances of the "L" amino acid contained within the sequence.  F Count The number of instances of the "P" amino acid contained within the sequence.  F Count The number of instances of the "P" amino acid contained within the sequence.  T Count The number of instances of the "P" amino acid contained within the sequence.  T Count The number of instances of the "V" amino acid contained within the sequence.  T Count The number of instances of the "V" amino acid contained within the sequence.  The number of instances of the "V" amino acid contained within the sequence.  The number	Second amino acid		The amino acid in the first position of the peptide sequence.
Amino acid after A Count The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'R' amino acid contained within the sequence. The number of instances of the 'D' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of instances of the 'C' amino acid contained within the sequence. The number of insta	Second last amino acid		The amino acid in the last position of the peptide sequence.
A Count The number of instances of the 'A' amino acid contained within the sequence.  R Count The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'N' amino acid contained within the sequence.  C Count The number of instances of the 'D' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  E Count The number of instances of the 'C' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  I Count The number of instances of the 'T' amino acid contained within the sequence.  I Count The number of instances of the 'I' amino acid contained within the sequence.  I Count The number of instances of the 'I' amino acid contained within the sequence.  K Count The number of instances of the 'I' amino acid contained within the sequence.  F Count The number of instances of the 'I' amino acid contained within the sequence.  F Count The number of instances of the 'I' amino acid contained within the sequence.  F Count The number of instances of the 'I' amino acid contained within the sequence.  F Count The number of instances of the 'I' amino acid contained within the sequence.  F Count The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the 'I' amino acid contained within the sequence.  The number of instances of the	Last amino acid		The amino acid in the last position of the peptide sequence.
the sequence.  R Count The number of instances of the 'R' amino acid contained within the sequence.  N Count The number of instances of the 'N' amino acid contained within the sequence.  D Count The number of instances of the 'D' amino acid contained within the sequence.  C Count The number of instances of the 'C' amino acid contained within the sequence.  Q Count The number of instances of the 'C' amino acid contained within the sequence.  G Count The number of instances of the 'C' amino acid contained within the sequence.  G Count The number of instances of the 'C' amino acid contained within the sequence.  G Count The number of instances of the 'C' amino acid contained within the sequence.  H Count The number of instances of the 'H' amino acid contained within the sequence.  I Count The number of instances of the 'L' amino acid contained within the sequence.  K Count The number of instances of the 'L' amino acid contained within the sequence.  M Count The number of instances of the 'R' amino acid contained within the sequence.  M Count The number of instances of the 'R' amino acid contained within the sequence.  M Count The number of instances of the 'R' amino acid contained within the sequence.  F Count The number of instances of the 'R' amino acid contained within the sequence.  F Count The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  T Count The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances of the 'R' amino acid contained within the sequence.  The number of instances	Amino acid after		The amino acid in the protein sequence after the peptide.
the sequence.  N Count  The number of instances of the 'N' amino acid contained within the sequence.  C Count  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'C' amino acid contained within the sequence.  C Count  The number of instances of the 'C' amino acid contained within the sequence.  E Count  The number of instances of the 'C' amino acid contained within the sequence.  G Count  The number of instances of the 'C' amino acid contained within the sequence.  G Count  The number of instances of the 'C' amino acid contained within the sequence.  G Count  The number of instances of the 'C' amino acid contained within the sequence.  I Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'K' amino acid contained within the sequence.  F Count  The number of instances of the 'N' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  The nu	A Count		
the sequence.  D Count  The number of instances of the 'D' amino acid contained within the sequence.  C Count  The number of instances of the 'C' amino acid contained within the sequence.  The number of instances of the 'C' amino acid contained within the sequence.  E Count  The number of instances of the 'C' amino acid contained within the sequence.  E Count  The number of instances of the 'C' amino acid contained within the sequence.  G Count  The number of instances of the 'G' amino acid contained within the sequence.  H Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'H' amino acid contained within the sequence.  K Count  The number of instances of the 'K' amino acid contained within the sequence.  M Count  The number of instances of the 'K' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the 'F' amino acid contained within the sequence.  T Count  The number of instances of the	R Count		
the sequence. C Count The number of instances of the "C' amino acid contained within the sequence. C Count The number of instances of the "C' amino acid contained within the sequence. The number of instances of the "E' amino acid contained within the sequence. The number of instances of the "E' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "H' amino acid contained within the sequence. The number of instances of the "H' amino acid contained within the sequence. The number of instances of the "L' amino acid contained within the sequence. The number of instances of the "K' amino acid contained within the sequence. The number of instances of the "K' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "F' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of instances of the "G' amino acid contained within the sequence. The number of	N Count		
the sequence.  Q Count  The number of instances of the 'Q' amino acid contained within the sequence.  E Count  The number of instances of the 'E' amino acid contained within the sequence.  G Count  The number of instances of the 'G' amino acid contained within the sequence.  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  I Count  The number of instances of the 'B' amino acid contained within the sequence.  I Count  The number of instances of the 'B' amino acid contained within the sequence.  F Count  The number of instances of the 'B' amino acid contained within the sequence.  I Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the 'B' amino acid contained within the sequence.  T Count  The number of instances of the	D Count		
the sequence.  E Count  The number of instances of the 'E' amino acid contained within the sequence.  G Count  The number of instances of the 'G' amino acid contained within the sequence.  The number of instances of the 'H' amino acid contained within the sequence.  The number of instances of the 'H' amino acid contained within the sequence.  L Count  The number of instances of the 'L' amino acid contained within the sequence.  K Count  The number of instances of the 'K' amino acid contained within the sequence.  K Count  The number of instances of the 'M' amino acid contained within the sequence.  M Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'S' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  T Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amin	C Count		
the sequence.  G Count  The number of instances of the 'G' amino acid contained within the sequence.  I Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  K Count  The number of instances of the 'K' amino acid contained within the sequence.  M Count  The number of instances of the 'M' amino acid contained within the sequence.  M Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  F Count  The number of instances of the 'S' amino acid contained within the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'W' amino acid contained within the sequence.  T Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instances of the 'U' amino acid contained within the sequence.  Y Count  The number of instanc	Q Count		
the sequence.  H Count  The number of instances of the 'H' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  I Count  The number of instances of the 'L' amino acid contained within the sequence.  K Count  The number of instances of the 'M' amino acid contained within the sequence.  M Count  The number of instances of the 'M' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  F Count  The number of instances of the 'P' amino acid contained within the sequence.  S Count  The number of instances of the 'P' amino acid contained within the sequence.  T Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'W' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'W' amino acid contained within the sequence.  T Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'V' amino acid contained within the sequence.  Y Count  The number of instances of the 'O' amino acid contained within the sequence.  U Count  The number of instances of the 'O' amino acid contained within the sequence.  U Count  The number of instances of the 'O' amino acid contained within the sequence.  I the length of the sequence stored in the column 'Sequence'.  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  I dentifiers of proteins this peptide is associated with.  I dentifiers of the best scoring protein this peptide in the	E Count		
the sequence.  I Count  The number of instances of the "I" amino acid contained within the sequence.  I Count  The number of instances of the "L" amino acid contained within the sequence.  The number of instances of the "K" amino acid contained within the sequence.  M Count  The number of instances of the "M" amino acid contained within the sequence.  F Count  The number of instances of the "F" amino acid contained within the sequence.  F Count  The number of instances of the "P" amino acid contained within the sequence.  T Count  The number of instances of the "P" amino acid contained within the sequence.  T Count  The number of instances of the "S" amino acid contained within the sequence.  T Count  The number of instances of the "T" amino acid contained within the sequence.  T Count  The number of instances of the "W" amino acid contained within the sequence.  Y Count  The number of instances of the "V" amino acid contained within the sequence.  V Count  The number of instances of the "V" amino acid contained within the sequence.  T Count  The number of instances of the "V" amino acid contained within the sequence.  The number of instances of the "V" amino acid contained within the sequence.  The number of instances of the "V" amino acid contained within the sequence.  The number of instances of the "U" amino acid contained within the sequence.  The number of instances of the "U" amino acid contained within the sequence.  The number of instances of the "U" amino acid contained within the sequence.  I Count  The number of instances of the "D" amino acid contained within the sequence.  I count  The number of instances of the "D" amino acid contained within the sequence.  I count  The number of instances of the "D" amino acid contained within the sequence.  I count  The number of instances of the "D" amino acid contained within the sequence.  I count  The number of instances of the "D" amino acid contained within the sequence.  I count  The number of instances of the "D" amino acid contained within the sequence	G Count		
the sequence.  It count the sequence the 'U' amino acid contained within the sequence.  It count the sequence.  It count the sequence stored in the column "Sequence".  It count the sequence stored in the column "Sequence".  It count the sequence stored in the column "Sequence".  It count the sequence stored in the sequence stored in the column sequence.  It count the sequence stored in the sequence stored in the column sequence.  It count the sequence stored in the seque	H Count		
the sequence.  K Count  The number of instances of the 'K' amino acid contained within the sequence.  M Count  The number of instances of the 'M' amino acid contained within the sequence.  The number of instances of the 'F' amino acid contained within the sequence.  P Count  The number of instances of the 'P' amino acid contained within the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'W' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  T Count  The number of instances of the 'V' amino acid contained within the sequence.  W Count  The number of instances of the 'V' amino acid contained within the sequence.  The number of instances of the 'U' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  I Count  The length of the sequence stored in the column "Sequence".  Missed cleavages  Monoisotopic mass of the peptide.  Proteins  I dentifiers of proteins this peptide is associated with.  I dentifiers of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	I Count		
the sequence.  M Count  The number of instances of the 'M' amino acid contained within the sequence.  The number of instances of the 'F' amino acid contained within the sequence.  P Count  The number of instances of the 'P' amino acid contained within the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'T' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'U' amino acid contained within the sequence.  The number of instances of the 'U' amino acid contained within the sequence.  I the number of instances of the 'O' amino acid contained within the sequence.  I the number of instances of the 'O' amino acid contained within the sequence.  I the number of instances of the 'O' amino acid contained within the sequence.  I the number of instances of the 'O' amino acid contained within the sequence.  I the length of the sequence stored in the column "Sequence".  Missed cleavages  Monoisotopic mass of the peptide.  I dentifiers of proteins this peptide is associated with.  I dentifiers of the best scoring protein this peptide in the protein sequence. (one-based)  End position  Position of the last amino acid of this peptide in the protein	L Count		
the sequence.  F Count  The number of instances of the 'F' amino acid contained within the sequence.  The number of instances of the 'P' amino acid contained within the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of proteins this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	K Count		
the sequence.  P Count  The number of instances of the 'P' amino acid contained within the sequence.  The number of instances of the 'S' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'T' amino acid contained within the sequence.  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  The length of the sequence stored in the column "Sequence".  Missed cleavages  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	M Count		
the sequence.  S Count  The number of instances of the 'S' amino acid contained within the sequence.  T Count  The number of instances of the 'T' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  Length  The length of the sequence stored in the column "Sequence".  Missed cleavages  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	F Count		
the sequence.  T Count  The number of instances of the 'T' amino acid contained within the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'U' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  The length of the sequence stored in the column "Sequence".  Missed cleavages  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	P Count		
the sequence.  W Count  The number of instances of the 'W' amino acid contained within the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'U' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	S Count		
the sequence.  Y Count  The number of instances of the 'Y' amino acid contained within the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  Length  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	T Count		
the sequence.  V Count  The number of instances of the 'V' amino acid contained within the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  The number of instances of the 'O' amino acid contained within the sequence.  Length  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	W Count		The number of instances of the 'W' amino acid contained within the sequence.
the sequence.  U Count  The number of instances of the 'U' amino acid contained within the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  Length  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	Y Count		l .
the sequence.  O Count  The number of instances of the 'O' amino acid contained within the sequence.  Length  The length of the sequence stored in the column "Sequence".  Missed cleavages  Number of missed enzymatic cleavages.  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	V Count		
the sequence.  Length The length of the sequence stored in the column "Sequence".  Missed cleavages Number of missed enzymatic cleavages.  Mass Monoisotopic mass of the peptide.  Proteins Identifiers of proteins this peptide is associated with.  Leading razor protein Identifiers of the best scoring protein this peptide is associated with.  Start position Position of the first amino acid of this peptide in the protein sequence. (one-based)  End position Position of the last amino acid of this peptide in the protein	U Count		
Missed cleavages  Mass  Monoisotopic mass of the peptide.  Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  Position of the last amino acid of this peptide in the protein	O Count		
Mass       Monoisotopic mass of the peptide.         Proteins       Identifiers of proteins this peptide is associated with.         Leading razor protein       Identifiers of the best scoring protein this peptide is associated with.         Start position       Position of the first amino acid of this peptide in the protein sequence. (one-based)         End position       Position of the last amino acid of this peptide in the protein	Length		The length of the sequence stored in the column "Sequence".
Proteins  Identifiers of proteins this peptide is associated with.  Leading razor protein  Identifiers of the best scoring protein this peptide is associated with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  End position  Position of the last amino acid of this peptide in the protein	Missed cleavages		, ,
Leading razor protein       Identifiers of the best scoring protein this peptide is associated with.         Start position       Position of the first amino acid of this peptide in the protein sequence. (one-based)         End position       Position of the last amino acid of this peptide in the protein	Mass		Monoisotopic mass of the peptide.
with.  Start position  Position of the first amino acid of this peptide in the protein sequence. (one-based)  End position  Position of the last amino acid of this peptide in the protein	Proteins		Identifiers of proteins this peptide is associated with.
Start position Position of the first amino acid of this peptide in the protein sequence. (one-based)  End position Position Position of the last amino acid of this peptide in the protein	Leading razor protein		
End position Position of the last amino acid of this peptide in the protein	Start position		Position of the first amino acid of this peptide in the protein
	End position		<u> </u>

Gene names	Names of genes this peptide is associated with.
Protein names	Names of proteins this peptide is associated with.
Unique (Groups)	When marked with '+', this particular peptide is unique to a single protein group in the proteinGroups file.
Unique (Proteins)	When marked with '+', this particular peptide is unique to a single protein sequence in the fasta file(s).
Charges	All charge states that have been observed.
PEP	Posterior Error Probability of the identification. This value essentially operates as a p-value, where smaller is more significant.
Score	Highest Andromeda score for the associated MS/MS spectra.
Reporter intensity corrected 1	
Reporter intensity corrected 2	
Reporter intensity corrected 3	
Reporter intensity corrected 4	
Reporter intensity corrected 5	
Reporter intensity corrected 6	
Reporter intensity corrected 7	
Reporter intensity corrected 8	
Reporter intensity corrected 9	
Reporter intensity corrected 10	
Reporter intensity corrected 11	
Reporter intensity corrected 12	
Reporter intensity corrected 13	
Reporter intensity corrected 14	
Reporter intensity corrected 15	
Reporter intensity corrected 16	
Reporter intensity 1	
Reporter intensity 2	
Reporter intensity 3	
Reporter intensity 4	
Reporter intensity 5	
Reporter intensity 6	
Reporter intensity 7	
Reporter intensity 8	
Reporter intensity 9	
Reporter intensity 10	
Reporter intensity 11	
Reporter intensity 12	
Reporter intensity 13	
Reporter intensity 14	
Reporter intensity 15	
Reporter intensity 16	
Reporter intensity count 1	
Reporter intensity count 2	
Reporter intensity count 3	
Reporter intensity count 4	
Reporter intensity count 5	
Reporter intensity count 6	
Reporter intensity count 7	
Reporter intensity count 8	
Reporter intensity count 9	
Reporter intensity count 10	
Reporter intensity count 11	
Reporter intensity count 12	
Reporter intensity count 13	
Reporter intensity count 14	
Reporter intensity count 15	
Reporter intensity count 16	
Intensity	Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
Reverse	When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.

Potential contaminant	When marked with '+', this particular peptide was found to be part of a commonly occurring contaminant. These should be removed for further data analysis.
id	A unique (consecutive) identifier for each row in the peptides table, which is used to cross-link the information in this table with the information stored in the other tables.
Protein group IDs	The identifiers of the protein groups this peptide was linked to, referenced against the proteinGroups table.
Mod. peptide IDs	Identifier(s) for peptide sequence(s), associated with the peptide, referenced against the corresponding modified peptides table.
Evidence IDs	Identifier(s) for analyzed peptide evidence associated with the protein group referenced against the evidence table.
MS/MS IDs	The identifiers of the MS/MS scans identifying this peptide, referenced against the msms table.
Best MS/MS	The identifier of the best (in terms of quality) MS/MS scan identifying this peptide, referenced against the msms table.
Oxidation (M) site IDs	Identifier(s) for site(s) associated with the protein group, which show(s) evidence of the modification, referenced against the appropriate modification site file.
MS/MS Count	

# Modification-specific peptides

Sequence	e)). to a to a entries
When no modifications exist, this is set to 'unmodified'.  Mass Charge corrected mass of the precursor ion.  Mass Fractional Part The values after the decimal point (ie value - floor(value Protein Groups IDs of the protein groups to which this peptide belongs.  Proteins The identifiers of the proteins this particular peptide is associated with.  Gene Names Names of genes this peptide is associated with.  Protein Names Names of proteins this peptide is associated with.  Unique (Groups) When marked with '+', this particular peptide is unique single protein group in the proteinGroups file.  Unique (Proteins) When marked with '+', this particular peptide is unique single protein sequence in the fasta file(s).  Acetyl (Protein N-term) Number of Acetyl (Protein N-term) on this peptide.  Oxidation (M) Number of Oxidation (M) on this peptide.  Missed cleavages Retention time Retention time in minutes averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time recalibration has be performed which is the case when matching between reselected.  Charges All charge states that have been observed.  PEP Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is mor significant.  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  The name of the RAW-file the mass spectral data was a significant.	e)). to a to a entries
Mass Fractional Part Protein Groups IDs of the protein groups to which this peptide belongs. Proteins The identifiers of the proteins this particular peptide is associated with.  Gene Names Names of genes this peptide is associated with.  Protein Names Names of proteins this peptide is associated with.  Unique (Groups) When marked with '+', this particular peptide is unique single protein group in the proteinGroups file.  Unique (Proteins) When marked with '+', this particular peptide is unique single protein group in the proteinGroups file.  Unique (Protein N-term) Number of Acetyl (Protein N-term) on this peptide.  Oxidation (M) Number of Oxidation (M) on this peptide.  Missed cleavages Retention time Retention time in minutes averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence ebelonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence ebelonging to this modification-specific peptide.  Charges All charge states that have been observed.  Charges All charge states that have been observed.  MS/MS scan number The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file The name of the RAW-file the mass spectral data was a server of the period of the pe	to a to a entries
Protein Groups    Protein Groups   IDs of the protein groups to which this peptide belongs.	to a to a entries
Proteins  The identifiers of the proteins this particular peptide is associated with.  Gene Names  Names of genes this peptide is associated with.  Protein Names  Names of proteins this peptide is associated with.  Unique (Groups)  When marked with '+', this particular peptide is unique to single protein group in the protein Groups file.  Unique (Proteins)  When marked with '+', this particular peptide is unique to single protein sequence in the fasta file(s).  Acetyl (Protein N-term)  Number of Acetyl (Protein N-term) on this peptide.  Missed cleavages  Retention time  Retention time in minutes averaged over the evidence obelonging to this modification-specific peptide.  Calibrated retention time  Calibrated retention time averaged over the evidence obelonging to this modification-specific peptide.  Calibrated retention time recalibration has be performed which is the case when matching between matching between matching between matching to the interval of the identification. This value sesentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a specific pentide.  The name of the RAW-file the mass spectral data was a specific pentide.	to a to a entries
Proteins  The identifiers of the proteins this particular peptide is associated with.  Gene Names  Names of genes this peptide is associated with.  Protein Names  Names of proteins this peptide is associated with.  Unique (Groups)  When marked with '+', this particular peptide is unique to single protein group in the protein Groups file.  Unique (Proteins)  When marked with '+', this particular peptide is unique to single protein sequence in the fasta file(s).  Acetyl (Protein N-term)  Number of Acetyl (Protein N-term) on this peptide.  Missed cleavages  Retention time  Retention time in minutes averaged over the evidence obelonging to this modification-specific peptide.  Calibrated retention time  Calibrated retention time averaged over the evidence obelonging to this modification-specific peptide.  Calibrated retention time recalibration has be performed which is the case when matching between matching between matching between matching to the interval of the identification. This value sesentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a specific pentide.  The name of the RAW-file the mass spectral data was a specific pentide.	to a to a entries
Protein Names  Names of proteins this peptide is associated with.  Unique (Groups)  When marked with '+', this particular peptide is unique is single protein group in the proteinGroups file.  Unique (Proteins)  When marked with '+', this particular peptide is unique is single protein sequence in the fasta file(s).  Acetyl (Protein N-term)  Number of Acetyl (Protein N-term) on this peptide.  Oxidation (M)  Number of Oxidation (M) on this peptide.  Number of missed enzymatic cleavages.  Retention time  Retention time in minutes averaged over the evidence oblonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence oblonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has be performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  The name of the RAW-file the mass spectral data was a second of the column in	entries
Unique (Groups)  When marked with '+', this particular peptide is unique to single protein group in the proteinGroups file.  Unique (Proteins)  When marked with '+', this particular peptide is unique to single protein sequence in the fasta file(s).  Acetyl (Protein N-term)  Number of Acetyl (Protein N-term) on this peptide.  Oxidation (M)  Number of Oxidation (M) on this peptide.  Number of missed enzymatic cleavages.  Retention time  Retention time in minutes averaged over the evidence of belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence of belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence of belonging to this modification-specific peptide.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  The name of the RAW-file the mass spectral data was a spectral	entries
Unique (Groups)  When marked with '+', this particular peptide is unique to single protein group in the proteinGroups file.  Unique (Proteins)  When marked with '+', this particular peptide is unique to single protein sequence in the fasta file(s).  Acetyl (Protein N-term)  Number of Acetyl (Protein N-term) on this peptide.  Oxidation (M)  Number of Oxidation (M) on this peptide.  Number of missed enzymatic cleavages.  Retention time  Retention time in minutes averaged over the evidence of belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence of belonging to this modification-specific peptide.  Calibrated retention time averaged over the evidence of belonging to this modification-specific peptide.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  The name of the RAW-file the mass spectral data was a spectral	entries
Single protein sequence in the fasta file(s).   Acetyl (Protein N-term)   Number of Acetyl (Protein N-term) on this peptide.   Oxidation (M)   Number of Oxidation (M) on this peptide.   Missed cleavages   Number of missed enzymatic cleavages.   Retention time   Retention time in minutes averaged over the evidence of belonging to this modification-specific peptide.   Calibrated retention time averaged over the evidence of belonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.   Charges   All charge states that have been observed.   PEP   Posterior Error Probability of the identification. This value essentially operates as a p-value, where smaller is more significant.   MS/MS scan number   The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').   Raw file   The name of the RAW-file the mass spectral data was a significant.	entries
Oxidation (M)  Number of Oxidation (M) on this peptide.  Number of missed enzymatic cleavages.  Retention time  Retention time in minutes averaged over the evidence oblonging to this modification-specific peptide.  Calibrated retention time calibrated retention time averaged over the evidence oblonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a second calculated and the column are calculated as a second	entries
Missed cleavages  Retention time  Retention time in minutes averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time  Calibrated retention time averaged over the evidence explained belonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was also as a service of the mass spectral data was a service of the service of the mass spectral data was a service of the service of the mass spectral data was a service of the service of the mass spectral data was a service of the service of the mass spectral data was a service of the service of the mass spectral data was a service of the service	entries
Retention time  Retention time in minutes averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time  Calibrated retention time averaged over the evidence ebelonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a second content of the mass spectral	entries
Retention time  Retention time in minutes averaged over the evidence belonging to this modification-specific peptide.  Calibrated retention time  Calibrated retention time averaged over the evidence ebelonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a second content of the mass spectral	entries
Calibrated retention time  Calibrated retention time averaged over the evidence e belonging to this modification-specific peptide. Obvious only makes sense if retention time recalibration has been performed which is the case when matching between reselected.  Charges  All charge states that have been observed.  PEP  Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a second content of the mass spectral data was a second conten	ntries
PEP Posterior Error Probability of the identification. This values essentially operates as a p-value, where smaller is more significant.  MS/MS scan number The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file The name of the RAW-file the mass spectral data was a score in the column that the mass spectral data was a score in the column that the mass spectral data was a score in the column that the mass spectral data was a score in the column that the mass spectral data was a score in the column that the mass spectral data was a score in the column that the c	ly this en
essentially operates as a p-value, where smaller is mor significant.  MS/MS scan number  The RAW-file derived scan number of the MS/MS with highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a score in the column to the result of	
highest peptide identification score (the highest score is in the column 'Score').  Raw file  The name of the RAW-file the mass spectral data was a	e ie
į į į į į į į į į į į į į į į į į į į	derived
Score Andromeda score for the best identified among the ass MS/MS spectra.	ociated
Delta score Score difference to the second best identified peptide.	
Reporter intensity corrected 1	
Reporter intensity corrected 2	
Reporter intensity corrected 3	
Reporter intensity corrected 4	
Reporter intensity corrected 5	
Reporter intensity corrected 6	
Reporter intensity corrected 7	
Reporter intensity corrected 8	
Reporter intensity corrected 9	
Reporter intensity corrected 10	
Reporter intensity corrected 11	
Reporter intensity corrected 12	
Reporter intensity corrected 13	
Reporter intensity corrected 14	
Reporter intensity corrected 15	
Reporter intensity corrected 16	
Reporter intensity 1	
Reporter intensity 2	
Reporter intensity 3	
Reporter intensity 4	
Reporter intensity 5	
Reporter intensity 6	
Reporter intensity 7	
Reporter intensity 8	
Reporter intensity 9	
Reporter intensity 10	

Reporter intensity 11 Reporter intensity 12 Reporter intensity 13	
Poportor intensity 12	
Reporter intensity 13	
Reporter intensity 14	
Reporter intensity 15	
Reporter intensity 16	
Reporter intensity count 1	
Reporter intensity count 2	
Reporter intensity count 3	
Reporter intensity count 4	
Reporter intensity count 5	
Reporter intensity count 6	
Reporter intensity count 7	
Reporter intensity count 8	
Reporter intensity count 9	
Reporter intensity count 10	
Reporter intensity count 11	
Reporter intensity count 12	
Reporter intensity count 13	
Reporter intensity count 14	
Reporter intensity count 15	
Reporter intensity count 16	
Intensity	Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
Reverse	When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.
Potential contaminant	When marked with '+', this particular peptide was found to be part of a commonly occurring contaminant. These should be removed for further data analysis.
id	A unique (consecutive) identifier for each row in the peptides table, which is used to cross-link the information in this table with the information stored in the other tables.
Protein group IDs	The identifiers of the protein groups this peptide was linked to, referenced against the proteinGroups table.
Peptide ID	Identifier of the associated peptide sequence summary, which can be found in the file 'peptides.txt'.
Evidence IDs	Identifier(s) for analyzed peptide evidence associated with the protein group referenced against the evidence table.
MS/MS IDs	The identifiers of the MS/MS scans identifying this peptide, referenced against the msms table.
Best MS/MS	The identifier of the best (in terms of quality) MS/MS scan identifying this peptide, referenced against the msms table.
Oxidation (M) site IDs	Identifier(s) for site(s) associated with this peptide, which show(s) evidence of the modification, referenced against the appropriate modification site file.
MS/MS Count	

# Oxidation (M)Sites

Name	Separator	Description
Proteins		Identifiers of proteins this site is associated with.
Positions within proteins		For each protein identifier in the 'Proteins' column you find here the position of the site in the respective protein sequence. The index of the first amino acid in the sequence is 1.
Leading proteins		
Protein		Identifier of the protein this peptide is associated with.
Protein names		Names of proteins this peptide is associated with.
Gene names		Names of genes this peptide is associated with.
Fasta headers		Descriptions of proteins this peptide is associated with.
Localization prob		
Score diff		
PEP		The posterior error probability (PEP) of the best identified modified peptide containing this site.
Score		The Andromeda score of the best identified modified peptide containing this site.
Delta score		The Andromeda delta score of the best identified modified peptide containing this site.
Score for localization		The Andromeda score of the MS/MS spectrum used for calculating the localization score for this site.
Diagnostic peak		
Number of Oxidation (M)		Different numbers of Oxidation (M) on peptides that this site is involved in.
Amino acid		
Sequence window		
Modification window		
Peptide window coverage		
Oxidation (M) Probabilities		
Oxidation (M) Score diffs		
Position in peptide		
Charge		Charge state of the precursor ion.
Mass error [ppm]		Mass error of the recalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence.
Reporter intensity corrected 11		
Reporter intensity corrected 12		
Reporter intensity corrected 13		
Reporter intensity corrected 21		
Reporter intensity corrected 22		
Reporter intensity corrected 23		
Reporter intensity corrected 31		
Reporter intensity corrected 32		
Reporter intensity corrected 33		
Reporter intensity corrected 41		
Reporter intensity corrected 42		
Reporter intensity corrected 43	1	
Reporter intensity corrected 51	1	
Reporter intensity corrected 52		
Reporter intensity corrected 53	1	
	+	
· · · · · · · · · · · · · · · · · · ·	<del> </del>	
Reporter intensity corrected 6 2	1	
Reporter intensity corrected 63	+	
Reporter intensity corrected 71	-	
Reporter intensity corrected 72	-	
Reporter intensity corrected 73	-	
Reporter intensity corrected 81	-	
Reporter intensity corrected 82	-	
Reporter intensity corrected 83	-	
Reporter intensity corrected 91	1	
Reporter intensity corrected 92	ļ	
Reporter intensity corrected 93		

Reporter intensity corrected 101		
Reporter intensity corrected 102		
Reporter intensity corrected 103		
Reporter intensity corrected 111		
Reporter intensity corrected 113		
Reporter intensity corrected 121		
Reporter intensity corrected 122		
Reporter intensity corrected 123		
Reporter intensity corrected 131		
Reporter intensity corrected 132		
Reporter intensity corrected 133		
Reporter intensity corrected 141		
Reporter intensity corrected 142		
Reporter intensity corrected 143		
Reporter intensity corrected 151		
Reporter intensity corrected 152		
Reporter intensity corrected 153		
Reporter intensity corrected 161		
Reporter intensity corrected 162		
Reporter intensity corrected 163		
Reporter intensity 11		
Reporter intensity 12		
Reporter intensity 21		
Reporter intensity 22		
Reporter intensity 23		
Reporter intensity 31		
Reporter intensity 32		
Reporter intensity 33		
Reporter intensity 41		
Reporter intensity 42		
Reporter intensity 43		
_ '		
Reporter intensity 51		
Reporter intensity 52		
Reporter intensity 53		
Reporter intensity 61		
Reporter intensity 62		
Reporter intensity 63		
Reporter intensity 71		
Reporter intensity 72		
Reporter intensity 73		
Reporter intensity 81		
Reporter intensity 82		
Reporter intensity 83		
Reporter intensity 91		
Reporter intensity 92		
Reporter intensity 93		
Reporter intensity 101		
Reporter intensity 102		
Reporter intensity 103		
Reporter intensity 111		
Reporter intensity 112		
· · · · · · · · · · · · · · · · · · ·		
Reporter intensity 113		
Reporter intensity 121		
Reporter intensity 122		
Reporter intensity 123		
Reporter intensity 131		
Reporter intensity 132		
Reporter intensity 133		
Reporter intensity 141		
Reporter intensity 142		
Reporter intensity 143		
Reporter intensity 151	<u> </u>	

associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic		
Reporter Intensity 16	Reporter intensity 152	
Reporter intensity 16 2 Reporter intensity count 1 1 Reporter intensity count 1 2 Reporter intensity count 1 2 Reporter intensity count 1 3 Reporter intensity count 2 1 Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 2 3 Reporter intensity count 3 3 Reporter intensity count 3 1 Reporter intensity count 3 2 Reporter intensity count 3 3 Reporter intensity count 4 2 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 1 Reporter intensity count 4 3 Reporter intensity count 4 1 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 6 3 Reporter intensity count 6 3 Reporter intensity count 6 3 Reporter intensity count 6 1 Reporter intensity count 7 1 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 8 1 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 1 1 Reporter intensity count 1 2 Reporter intensity count 1 3 Reporter intensity count 1 4 Reporter intensity count 1 5 Reporter intensity count 1 6 Reporter intensity co	Reporter intensity 153	
Reporter intensity 50 at 1 1 1 Reporter intensity count 1 2 Reporter intensity count 1 2 Reporter intensity count 1 2 Reporter intensity count 2 1 Reporter intensity count 2 1 Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 3 1 Reporter intensity count 3 1 Reporter intensity count 3 1 Reporter intensity count 3 2 Reporter intensity count 3 2 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 3 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 6 2 Reporter intensity count 6 2 Reporter intensity count 6 1 Reporter intensity count 6 2 Reporter intensity count 6 2 Reporter intensity count 6 3 Reporter intensity count 7 2 Reporter intensity count 7 2 Reporter intensity count 8 1 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 9 1 Reporter intensity count 1 2 Reporter intensity count 9 1 Reporter intensity count 1 1 2 Reporter intensity cou	Reporter intensity 161	
Reporter intensity count 1	Reporter intensity 162	
Reporter intensity count 1 2 Reporter intensity count 2 1 Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 2 3 Reporter intensity count 3 3 Reporter intensity count 3 3 Reporter intensity count 3 1 Reporter intensity count 3 3 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 2 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 5 2 Reporter intensity count 5 2 Reporter intensity count 5 3 Reporter intensity count 6 1 Reporter intensity count 6 2 Reporter intensity count 7 1 Reporter intensity count 7 1 Reporter intensity count 8 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 13 1 Reporter intensity count 14 3 Reporter intensity count 15 2 Reporter intensity count 16 1 Reporter intensi	Reporter intensity 163	
Reporter intensity count 1 2 Reporter intensity count 2 1 Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 2 3 Reporter intensity count 3 3 Reporter intensity count 3 3 Reporter intensity count 3 1 Reporter intensity count 3 3 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 2 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 5 2 Reporter intensity count 5 2 Reporter intensity count 5 3 Reporter intensity count 6 1 Reporter intensity count 6 2 Reporter intensity count 7 1 Reporter intensity count 7 1 Reporter intensity count 8 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 13 1 Reporter intensity count 14 3 Reporter intensity count 15 2 Reporter intensity count 16 1 Reporter intensi	Reporter intensity count 1 1	
Reporter intensity count 1 3 3 Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 3 3 Reporter intensity count 3 3 Reporter intensity count 3 3 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 3 Reporter intensity count 5 2 Reporter intensity count 5 1 Reporter intensity count 6 2 Reporter intensity count 6 3 Reporter intensity count 7 1 Reporter intensity count 7 2 Reporter intensity count 7 2 Reporter intensity count 8 3 Reporter intensity count 8 1 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 2 Reporter intensity count 9 1 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 3 Reporter intensity count 12 2 Reporter intensity count 13 3 Reporter intensity count 14 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter i	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity count 2 1 Reporter intensity count 2 2 Reporter intensity count 3 1 Reporter intensity count 3 1 Reporter intensity count 3 2 Reporter intensity count 3 2 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 4 2 Reporter intensity count 4 3 Reporter intensity count 5 1 Reporter intensity count 5 1 Reporter intensity count 5 2 Reporter intensity count 5 3 Reporter intensity count 6 1 Reporter intensity count 6 1 Reporter intensity count 6 2 Reporter intensity count 6 3 Reporter intensity count 7 1 Reporter intensity count 7 1 Reporter intensity count 7 2 Reporter intensity count 7 2 Reporter intensity count 8 1 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 1 2 2 Reporter intensity count 1 3 3 Reporter intensity count 9 1 Reporter intensity count 1 0 1 Reporter intensity count 1 1 1 Reporter intensity count 1 1 2 Reporter intensity count 1 1 2 Reporter intensity count 1 1 3 Reporter intensity count 1 1 2 Reporter intensity count 1 1 3 Reporter intensity count 1 1 4 3 Reporter intensity count 1 1 5 4 Reporter intensity count 1 1 5 4 Reporter intensity count 1 1 5 4 Reporter intensity count 1 1 5 5 4 Reporter intensity count 1 1 5 5 4 Reporter intensity count 1 1 5 5 5 Reporter intensity		
Reporter intensity count 2 2 2 Reporter intensity count 3 1 Reporter intensity count 3 1 Reporter intensity count 3 1 Reporter intensity count 3 2 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 1 Reporter intensity count 4 2 Reporter intensity count 5 1 Reporter intensity count 6 1 Reporter intensity count 6 1 Reporter intensity count 6 2 Reporter intensity count 6 2 Reporter intensity count 6 2 Reporter intensity count 6 3 Reporter intensity count 7 1 Reporter intensity count 7 2 Reporter intensity count 7 2 Reporter intensity count 7 3 Reporter intensity count 8 2 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 2 Reporter intensity count 9 1 Reporter intensity count 10 1 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 3 Reporter intensity count 11 3 Reporter intensity count 11 4 Reporter intensity count 12 1 Reporter intensity count 11 5 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporte		
Reporter intensity count 3		
Reporter intensity count 3		
Reporter intensity count 3	,	
Reporter intensity count 4	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity count 4	7	
Reporter intensity count 4 2 2 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9		
Reporter intensity count 4 3 3 8 8 8 8 8 8 8 9 8 9 9 9 9 9 9 9 9 9		
Reporter intensity count 5	Reporter intensity count 42	
Reporter intensity count 5	Reporter intensity count 43	
Reporter intensity count 5	Reporter intensity count 51	
Reporter intensity count 6	Reporter intensity count 52	
Reporter intensity count 6	Reporter intensity count 53	
Reporter intensity count 6 2 Reporter intensity count 7 1 Reporter intensity count 7 2 Reporter intensity count 7 2 Reporter intensity count 7 3 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 3 Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 13 1 Reporter intensity count 14 1 Reporter intensity count 15 2 Reporter intensity count 14 1 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 16 3 Reporter intensity count 16 3 Reporter intensity count 16 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 3 Reporter intensity count 16 1 Reporter intensity		
Reporter intensity count 7		
Reporter intensity count 7		
Reporter intensity count 7 2 Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 2 Reporter intensity count 10 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 1 Reporter intensity count 14 2 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 14 3 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 3 Intensity	,	
Reporter intensity count 8 1 Reporter intensity count 8 2 Reporter intensity count 8 3 Reporter intensity count 8 3 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 2 Reporter intensity count 10 1 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 11 3 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 13 2 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 14 2 Reporter intensity count 15 3 Reporter intensity count 16 3 Intensity Intensity Count 16 3 Intensit		
Reporter intensity count 8		
Reporter intensity count 8 2 Reporter intensity count 9 1 Reporter intensity count 9 1 Reporter intensity count 9 2 Reporter intensity count 10 1 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 2 Reporter intensity count 12 3 Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 2 Reporter intensity count 15 3 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 16 3 Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 8 3 Reporter intensity count 9 1 Reporter intensity count 9 2 Reporter intensity count 9 2 Reporter intensity count 10 1 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 2 Reporter intensity count 13 3 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity Summed up eXtracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 9 1 Reporter intensity count 9 2 Reporter intensity count 9 3 Reporter intensity count 10 1 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 11 3 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 19 2 Reporter intensity count 10 1 Reporter intensity count 10 2 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 2 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Intensity2  Intensity2  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 10 1 1 Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 2 Reporter intensity count 12 2 Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 2 Reporter intensity count 16 1 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 3 Summed up extracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity 2 Summed up extracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 10		
Reporter intensity count 10 2 Reporter intensity count 10 3 Reporter intensity count 11 1 Reporter intensity count 11 2 Reporter intensity count 11 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 2 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 1 Report		
Reporter intensity count 10 3 3	Reporter intensity count 101	
Reporter intensity count 11 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Reporter intensity count 102	
Reporter intensity count 11 2 2 Reporter intensity count 12 1 Reporter intensity count 12 1 Reporter intensity count 12 2 Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 3 Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity 1  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.	Reporter intensity count 103	
Reporter intensity count 12	Reporter intensity count 111	
Reporter intensity count 12	Reporter intensity count 112	
Reporter intensity count 12 2 Reporter intensity count 13 1 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 3 Reporter intensity count 13 3 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 1 Reporter intensity count 16 3 Intensity  Summed up extracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity 2 Summed up extracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up extracted lon Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.	Reporter intensity count 113	
Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1 Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2 Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 12 3 Reporter intensity count 13 1 Reporter intensity count 13 2 Reporter intensity count 13 2 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1 Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2 Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 13 1		
Reporter intensity count 13 2 2 Reporter intensity count 14 1 Reporter intensity count 14 1 Reporter intensity count 14 2 Reporter intensity count 14 3 Reporter intensity count 15 1 Reporter intensity count 15 2 Reporter intensity count 15 2 Reporter intensity count 15 3 Reporter intensity count 16 1 Reporter intensity count 16 2 Reporter intensity count 16 2 Reporter intensity count 16 3 Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity 1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity 2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 133  Reporter intensity count 141  Reporter intensity count 142  Reporter intensity count 143  Reporter intensity count 151  Reporter intensity count 152  Reporter intensity count 153  Reporter intensity count 161  Reporter intensity count 163  Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters.		
Reporter intensity count 141  Reporter intensity count 142  Reporter intensity count 143  Reporter intensity count 151  Reporter intensity count 152  Reporter intensity count 153  Reporter intensity count 161  Reporter intensity count 162  Reporter intensity count 163  Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters.		
Reporter intensity count 142 Reporter intensity count 143 Reporter intensity count 151 Reporter intensity count 152 Reporter intensity count 153 Reporter intensity count 161 Reporter intensity count 161 Reporter intensity count 162 Reporter intensity count 163 Intensity  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters.		
Reporter intensity count 143 Reporter intensity count 151 Reporter intensity count 152 Reporter intensity count 153 Reporter intensity count 161 Reporter intensity count 161 Reporter intensity count 163 Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.		
Reporter intensity count 151 Reporter intensity count 152 Reporter intensity count 153 Reporter intensity count 161 Reporter intensity count 161 Reporter intensity count 162 Reporter intensity count 163 Intensity Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2 Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic		
Reporter intensity count 152 Reporter intensity count 153 Reporter intensity count 161 Reporter intensity count 162 Reporter intensity count 163 Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.	,	
Reporter intensity count 153 Reporter intensity count 161 Reporter intensity count 162 Reporter intensity count 163 Intensity Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1 Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2 Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic		
Reporter intensity count 161 Reporter intensity count 162 Reporter intensity count 163 Intensity Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1 Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2 Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic		
Reporter intensity count 162  Reporter intensity count 163  Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic	Reporter intensity count 153	
Reporter intensity count 163  Intensity  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic		
Intensity  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic	Reporter intensity count 162	
associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity1  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic	Reporter intensity count 163	
associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.  Intensity2  Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic	Intensity	labeled experiment this is the total intensity of all the isotopic
associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic	Intensity1	labeled experiment this is the total intensity of all the isotopic
patterns in the label cluster.	Intensity2	

Intensity3	Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
Ratio mod/base	
Reverse	When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the protein sequence database. These should be removed for further data analysis.
Potential contaminant	When marked with '+', this particular peptide was found to be part of a commonly occurring contaminant. These should be removed for further data analysis.
id	A unique (consecutive) identifier for each row in the site table, which is used to cross-link the information in this file with the information stored in the other files.
Protein group IDs	The identifier of the protein-group this peptide sequence is associated with, which can be used to look up the extended protein information in the file 'proteinGroups.txt'. As a single peptide can be linked to multiple proteins (e.g. in the case of razor-proteins), multiple id's can be stored here separated by a semicolon.  As a protein can be identified by multiple peptides, the same id can be found in different rows.
Positions	The positions of the modifications in the protein amino acid sequence.
Position	The position of the modification in the protein amino acid sequence.
Peptide IDs	Identifier(s) of the associated peptide sequence(s) summary, which can be found in the file 'peptides.txt'.
Mod. peptide IDs	Identifier(s) of the associated peptide sequence(s) summary, which can be found in the file 'modificationSpecificPeptides.txt'.
Evidence IDs	Identifier(s) for analyzed peptide evidence associated with the protein group referenced against the evidence table.
MS/MS IDs	The identifiers of the MS/MS scans identifying this peptide, referenced against the msms table.
Best localization evidence ID	
Best localization MS/MS ID	
Best localization raw file	
Best localization scan number	
Best score evidence ID	
Best score MS/MS ID	
Best score raw file	
Best score scan number	
Best PEP evidence ID	
Best PEP MS/MS ID	
Best PEP raw file	
Best PEP scan number	

### Protein groups

The Protein Groups table contains information on the identified proteins in the processed raw-files. Each single row contains the group of proteins that could be reconstructed from a set of peptides.

Name	Separator	Description
Protein IDs		Identifiers of proteins contained in the protein group. They are
		sorted by number of identified peptides in descending order.
Majority protein IDs		These are the IDs of those proteins that have at least half of the peptides that the leading protein has.
Peptide counts (all)		Number of peptides associated with each protein in protein group, occurring in the order as the protein IDs occur in the 'Protein IDs' column. Here distinct peptide sequences are counted. Modified forms or different charges are counted as one peptide.
Peptide counts (razor+unique)		Number of peptides associated with each protein in protein group, occurring in the order as the protein IDs occur in the 'Protein IDs' column. Here distinct peptide sequences are counted. Modified forms or different charges are counted as one peptide.
Peptide counts (unique)		Number of peptides associated with each protein in protein group, occurring in the order as the protein IDs occur in the 'Protein IDs' column. Here distinct peptide sequences are counted. Modified forms or different charges are counted as one peptide.
Protein names		Names of proteins contained within the group.
Gene names		Names of the genes associated to the proteins contained within the group.
Fasta headers		Fasta headers(s) of protein(s) contained within the group.
Number of proteins		Number of proteins contained within the group. This corresponds to the number of entries in the column 'Protein IDs'.
Peptides		The total number of peptide sequences associated with the protein group (i.e. for all the proteins in the group).
Razor + unique peptides		The total number of razor + unique peptides associated with the protein group (i.e. these peptides are shared with another protein group).
Unique peptides		The total number of unique peptides associated with the protein group (i.e. these peptides are not shared with another protein group).
Sequence coverage [%]		Percentage of the sequence that is covered by the identified peptides of the best protein sequence contained in the group.
Unique + razor sequence coverage [%]		Percentage of the sequence that is covered by the identified unique and razor peptides of the best protein sequence contained in the group.
Unique sequence coverage [%]		Percentage of the sequence that is covered by the identified unique peptides of the best protein sequence contained in the group.
Mol. weight [kDa]		Molecular weight of the leading protein sequence contained in the protein group.
Sequence length		The length of the leading protein sequence contained in the group.
Sequence lengths		The length of all sequences of the proteins contained in the group.
Q-value		This is the ratio of reverse to forward protein groups.
Score		Protein score which is derived from peptide posterior error probabilities.
Reporter intensity corrected 1		
Reporter intensity corrected 2		
Reporter intensity corrected 3		
Reporter intensity corrected 4		
Reporter intensity corrected 5		
Reporter intensity corrected 6		
Reporter intensity corrected 7		
Reporter intensity corrected 8		
Reporter intensity corrected 9		
Reporter intensity corrected 10		
Reporter intensity corrected 11		
Reporter intensity corrected 12		
Reporter intensity corrected 13 Reporter intensity corrected 14		

Reporter intensity corrected 15	
Reporter intensity corrected 16	
Reporter intensity 1	
Reporter intensity 2	
Reporter intensity 3	
Reporter intensity 4	
Reporter intensity 5	
Reporter intensity 6	
Reporter intensity 7	
Reporter intensity 8	
Reporter intensity 9	
Reporter intensity 10	
Reporter intensity 11	
Reporter intensity 12	
Reporter intensity 13	
Reporter intensity 14	
Reporter intensity 15	
Reporter intensity 16	
Reporter intensity rount 1	
Reporter intensity count 1	
,	
Reporter intensity count 3 Reporter intensity count 4	
,	
Reporter intensity count 5	
Reporter intensity count 6	
Reporter intensity count 7	
Reporter intensity count 8	
Reporter intensity count 9	
Reporter intensity count 10	
Reporter intensity count 11	
Reporter intensity count 12	
Reporter intensity count 13	
Reporter intensity count 14	
Reporter intensity count 15	
Reporter intensity count 16	
Intensity	Summed up extracted Ion Current (XIC) of all isotopic cluster associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
MS/MS count	
Only identified by site	When marked with '+', this particular protein group was identified only by a modification site.
Reverse	When marked with '+', this particular protein group contains protein, made up of at least 50% of the peptides of the leading protein, with a peptide derived from the reversed part of the decoy database. These should be removed for further data analysis. The 50% rule is in place to prevent spurious protein hits to erroneously flag the protein group as reverse.
Potential contaminant	When marked with '+', this particular protein group was found to be a commonly occurring contaminant. These should be removed for further data analysis.
id	A unique (consecutive) identifier for each row in the proteinGroups table, which is used to cross-link the information this file with the information stored in the other files.
Peptide IDs	Identifier(s) of the associated peptide sequence(s) summary which can be found in the file 'peptides.txt'.
Peptide is razor	Indicates for each peptide ID if it is a razor or group unique peptide (true) or a non unique non razor peptide (false).
Mod. peptide IDs	
Evidence IDs	
MS/MS IDs	
Best MS/MS	The identifier of the best (in terms of quality) MS/MS scans
	identifying the peptides of this protein, referenced against the msms table.
Oxidation (M) site IDs	Identifier(s) for site(s) associated with the protein group, which show(s) evidence of the modification, referenced against the appropriate modification site file.
Oxidation (M) site positions	Positions of the sites in the leading protein of this group.
, ,	,

## All peptides

Name	Separator	Description
Raw file		Name of the raw file the spectral data was extracted from.
Туре		The type of detection for the peptide. MULTI – A labeling multiplet was detected.  ISO – An isotope pattern was detected.
Charge		The charge state of the peptide.
m/z		The mass divided by the charge of the charged peptide.
Mass		The mass of the neutral peptide ((m/z-proton) * charge).
Uncalibrated m/z		m/z before recalibrations have been applied.
Resolution		The resolution of the peak detected for the peptide measured in Full Width at Half Maximum (FWHM).
Number of data points		The number of data points (peak centroids) collected for this peptide feature.
Number of scans		The number of MS scans that the 3d peaks of this peptide feature are overlapping with.
Number of isotopic peaks		The number of isotopic peaks contained in this peptide feature.
PIF		Short for Parent Ion Fraction; indicates the fraction the target peak makes up of the total intensity in the inclusion window.
Mass fractional part		The values after the radix point (ie value - floor(value)).
Mass deficit		Empirically derived deviation measure to the next nearest integer scaled to center around 0. Can be used to visually detect contaminants in a plot setting Mass against this value.  m*a+b - round(m*a+b) m: the peptide mass a: 0.99954
Mass precision [ppm]		b: -0.04  The precision of the mass detection of the peptide in parts-permillion.
Max intensity m/z 0		Summed up extracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
Retention time		The retention time of the peak detected for the peptide measured in minutes.
Retention length		The total retention time width of the peak (last timepoint – first timepoint) in seconds.
Retention length (FWHM)		The full width at half maximum value retention time width of the peak in seconds.
Min scan number		The first scan number at which the peak was encountered.
Max scan number		The last scan number at which the peak was encountered.
Identified		When marked with '+' this particular MS/MS scan was identified as a peptide; when marked with '-' no identification was made.
MS/MS IDs		Unique identifier linking this identification to the MS/MS scans.
Sequence		The identified AA sequence of the peptide.
Length		The length of the sequence stored in the column "Sequence".
Modifications		Post-translational modifications contained within the sequence. When no modifications exist, this is set to 'unmodified'.
Madron de anno ano		Note: This column only set when this MS/MS spectrum has been identified.
Modified sequence		Sequence representation of the peptide including location(s) of modified AAs.  Note: This column only set when this MS/MS spectrum has
Proteins		been identified.  Identifiers of proteins this peptide is associated with.
		Note: This column only set when this MS/MS spectrum has been identified.
Score		The score of the identification (higher is better).
		Note: This column only set when this MS/MS spectrum has been identified.
Intensity		Summed up eXtracted Ion Current (XIC) of all isotopic clusters associated with the identified AA sequence. In case of a labeled experiment this is the total intensity of all the isotopic patterns in the label cluster.
Intensities		Elution profile.
Isotope pattern		Isotope pattern.

MS/MS Count	The number of MS/MS spectra recorded for the peptide.
MSMS Scan Numbers	The scan numbers where the MS/MS spectra were recorded.
MSMS Isotope Indices	Indices of the isotopic peaks that the MS/MS spectra reside on. A value of 0 corresponds to the monoisotopic peak.

### MS scans

The msScans table contains information about the full scans, which can be used to verify data quality and generated useful statistics about the interaction between the samples and LC.

Name	Separator	Description
Raw file		The name of the RAW-file the mass spectral data originates from.
Scan number		The scan number (defined in the raw-file) at which the full scan was made.
Scan index		The consecutive index of this full scan.
Retention time		The retention time at which the full scan was made.
Cycle time		The total time (full scan including the tandem MS scans) this full scan has taken up.
Ion injection time		The total injection time that was required to capture the specified amount of ions. This value is limited by a maximum, which can be used to determine whether the time has maxed out (indicative of a bad acquisition).
Base peak intensity		The intensity of the most intense ion in the spectrum.
Total ion current		The total intensity acquired in the full scan.
MS/MS count		The number of tandem MS scans that were made based on this full scan (e.g. a top 10 method selects the top 10 most intense ions in the scan and fragments those).
Mass calibration		The applied mass correction in Th to the full scan.
Peak length		The average time between the start and the end of the peaks detected in the full scan.
Isotope pattern length		The average time between the start and the end of the isotope patterns detected in the full scan.
Multiplet length		The average time between the start and the end of the isotope patterns of the labeling multiplets detected in the full scan.
Peaks / s		The average number of peaks detected per second of chromatography.
Single peaks / s		The average number of single peaks detected per second of chromatography.
Isotope patterns / s		The average number of isotope patterns detected per second of chromatography.
Single isotope patterns / s		The average number of single isotope patterns detected per of second chromatography.
Multiplets / s		The average number of labeling multiplets detected per of second chromatography.
Identified multiplets / s		The percentage of labeling multiplets actually identified.
Multiplet identification rate [%]		The percentage of the detected labeling multiplets that were identified.
Intens Comp Factor		Taken from the Thermo RAW file.
CTCD Comp		Taken from the Thermo RAW file.
RawOvFtT		For Thermo Fisher only. TIC estimation done with the orbitrap cell.
AGC Fill		Taken from the Thermo RAW file.

## MZ range

Name	Separator	Description
Raw file		The name of the RAW-file the mass spectral data was derived from.
m/z		The mass-over-charge value.
Peaks / Da		The average number of peaks detected per Dalton.
Single peaks / Da		The average number of single peaks detected per Dalton.
Isotope patterns / Da		The average number of isotope patterns detected per Dalton.
Single isotope patterns / Da		The average number of single isotope patterns detected per Dalton.
SILAC pairs / Da		The average number of SILAC pairs detected per Dalton.
Identified SILAC pairs / Da		The percentage of SILAC pairs actually identified.
SILAC identification rate [%]		The percentage of the detected SILAC pairs that were identified.

#### MS/MS scans

Name	Separator	Description
Raw file		Name of the RAW file the spectral MS/MS data was extracted
		from.
Scan number		RAW file derived scan number for the MS/MS spectrum.
Retention time		Time point along the elution profile at which the MS/MS data was recorded.
Ion injection time		The ion inject time for the MS/MS scan. This can be used to determine if this time equals to the maximum ion inject time, general indicative of a lower quality spectrum.
Total ion current		The total ion current of the MS/MS scan. For Thermo data this value is calculated by summing all the intensity values found in the mass spectral data, which is different from the Xcalibur reported TIC (Xcalibur TIC is about 25% of the value reported here).
Collision energy		The collision energy used for the fragmentation that resulted in this MS/MS scan.
Summations		For time of flight instruments only.
Base peak intensity		The intensity of the most intense ion in the spectrum.
Elapsed time		The time the MS/MS scan took to complete.
Identified		When marked with '+' this particular MS/MS scan was identified as a peptide; when marked with '-' no identification was made.
MS/MS IDs		Unique identifier linking this identification to the MS/MS scans.
Sequence		The identified AA sequence of the peptide.
Length		The length of the sequence stored in the column "Sequence".
Filtered peaks		Number of peaks after the 'top X per 100 Da' filtering.
m/z		Recalibrated m/z of the precursor ion.
Mass		Charge corrected mass of the precursor ion.
Charge		Charge state of the precursor ion.
Туре		The type of precursor ion as identified by MaxQuant. ISO – isotopic cluster.  PEAK – single peak.  MULTI – labeling cluster.
Fragmentation		The type of fragmentation used to create the MS/MS spectrum. CID – Collision Induced Dissociation. HCD – High energy Collision induced Dissociation. ETD – Electron Transfer Dissociation.
Mass analyzer		The mass analyzer used to record the MS/MS spectrum. ITMS – Ion trap.  FTMS – Fourier transform ICR or orbitrap cell.  TOF – Time of flight.
Parent intensity fraction		The percentage the parent ion intensity makes up of the total intensity in the selection window.
Fraction of total spectrum		The percentage the parent ion intensity makes up of the total intensity of the whole MS spectrum.
Base peak fraction		The percentage the parent ion intensity in comparison to the highest peak in he MS spectrum.
Precursor full scan number		The full scan number where the precursor ion was selected for fragmentation.
Precursor intensity		The intensity of the precursor ion at the scannumber it was selected.
Precursor apex fraction		The fraction the intensity of the precursor ion makes up of the peak (apex) intensity.
Precursor apex offset		How many full scans the precursor ion is offset from the peak (apex) position.
Precursor apex offset time		How much time the precursor ion is offset from the peak (apex) position.
Scan event number		This number indicates which MS/MS scan this one is in the consecutive order of the MS/MS scans that are acquired after an MS scan.
Modifications		Post-translational modifications contained within the sequence. When no modifications exist, this is set to 'unmodified'.
		Note: This column only set when this MS/MS spectrum has been identified.
Modified sequence		Sequence representation of the peptide including location(s) of modified AAs.
		Note: This column only set when this MS/MS spectrum has been identified.

Proteins	Identifiers of proteins this peptide is associated with.
	Note: This column only set when this MS/MS spectrum has been identified.
Score	The score of the identification (higher is better).
	Note: This column only set when this MS/MS spectrum has been identified.
Reporter intensity corrected 1	
Reporter intensity corrected 2	
Reporter intensity corrected 3	
Reporter intensity corrected 4	
Reporter intensity corrected 5	
Reporter intensity corrected 6	
Reporter intensity corrected 7	
Reporter intensity corrected 8	
Reporter intensity corrected 9	
Reporter intensity corrected 10	
Reporter intensity corrected 11	
Reporter intensity corrected 12	
Reporter intensity corrected 13	
Reporter intensity corrected 14	
Reporter intensity corrected 15	
Reporter intensity corrected 16	
Reporter intensity 1	
Reporter intensity 2	
Reporter intensity 3	
Reporter intensity 4	
Reporter intensity 5	
Reporter intensity 6	
Reporter intensity 7	
Reporter intensity 8	
Reporter intensity 9	
Reporter intensity 10	
Reporter intensity 11	
Reporter intensity 12	
Reporter intensity 13	
Reporter intensity 14	
Reporter intensity 15	
Reporter intensity 16	
Reporter PIF	
Reporter fraction	
Intens Comp Factor	Taken from the Thermo RAW file.
CTCD Comp	Taken from the Thermo RAW file.
RawOvFtT	For Thermo Fisher only. TIC estimation done with the orbitrap cell.
AGC Fill	Taken from the Thermo RAW file.
Scan index	Consecutive index of the MS/MS spectrum.
MS scan index	Consecutive index of the MS spectrum prior to this MS/MS spectrum.
MS scan number	Scan number of the MS spectrum prior to this MS/MS spectrum.

### MS/MS

Name	Separator	Description
Raw file		The name of the RAW file the mass spectral data was read from.
Scan number		The RAW-file derived scan number of the MS/MS spectrum.
Scan index		The consecutive index of the MS/MS spectrum.
Sequence		The identified AA sequence of the peptide.
Length		The length of the sequence stored in the column "Sequence".
Missed cleavages		Number of missed enzymatic cleavages.
Modifications		Post-translational modifications contained within the identified peptide sequence.
Modified sequence		Sequence representation including the post-translational modifications (abbreviation of the modification in brackets before the modified AA). The sequence is always surrounded by underscore characters ('_').
Oxidation (M) Probabilities		Sequence representation of the peptide including PTM positioning probabilities ([01], where 1 is best match) for 'Oxidation (M)'.
Oxidation (M) Score diffs		` '
Acetyl (Protein N-term)		
Oxidation (M)		
Proteins		The identifiers of the proteins the identified peptide is associated with.
Gene Names		Names of genes the identified peptide is associated with.
Protein Names		Descriptions of the proteins the identified peptide is associated with.
Charge		The charge state of the precursor ion.
Fragmentation		The type of fragmentation used to create the MS/MS spectrum. CID – Collision Induced Dissociation. HCD – High energy Collision induced Dissociation. ETD – Electron Transfer Dissociation.
Mass analyzer		The mass analyzer used to record the MS/MS spectrum. ITMS – Ion trap.  FTMS – Fourier transform ICR or orbitrap cell.  TOF – Time of flight.
Туре		The type of precursor ion as identified by MaxQuant. ISO – isotopic cluster.  PEAK – single peak.  MULTI – labeling cluster.
Scan event number		mounty states.
Isotope index		
m/z		The mass-over-charge of the precursor ion.
Mass		The charge corrected mass of the precursor ion.
Mass error [ppm]		Mass error of the recalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence expressed in parts per million.
Mass error [Da]		Mass error of the recalibrated mass-over-charge value of the precursor ion in comparison to the predicted monoisotopic mass of the identified peptide sequence expressed in atomic mass units.
Simple mass error [ppm]		
Retention time		The uncalibrated retention time in minutes where the MS/MS spectrum has been acquired.
PEP		Posterior Error Probability of the identification. This value essentially operates as a p-value, where smaller is more significant.
Score		Andromeda score for the best associated MS/MS spectrum.
Delta score		Score difference to the second best identified peptide with a different amino acid sequence.
Score diff		Score difference to the second best positioning of modifications identified peptide with the same amino acid sequence.
Localization prob		
Combinatorics		Number of possible distributions of the modifications over the peptide sequence.
PIF		Short for Parent Ion Fraction; indicates the fraction the target peak makes up of the total intensity in the inclusion window.
Fraction of total spectrum		The percentage the parent ion intensity makes up of the total intensity of the whole spectrum.

Precursor full scan number  The full scan number where the precursor ion was selected for fragmentation.  The intensity of the precursor ion at the scan number it was selected.  Precursor apex fraction  The fraction the intensity of the precursor ion makes up of the peak (apex) intensity.  Precursor apex offset  How many full scans the precursor ion is offset from the peak (apex) position.  Precursor apex offset time  How much time the precursor ion is offset from the peak (apex) position.  The species of the peaks in the fragmentation spectrum after TopN filtering.	Base peak fraction	The percentage the parent ion intensity in comparison to the highest peak in he MS spectrum.
Precursor Intensity  The intensity of the precursor ion at the scan number it was selected.  Precursor apex fraction  Precursor apex offset  The fraction the intensity of the precursor ion makes up of the peak (apex) intensity.  Precursor apex offset  (apex) position.  Precursor apex offset time  Precursor apex offset time  How much time the precursor ion is offset from the peak (apex) position.  Precursor apex offset time  The species of the peaks in the fragmentation spectrum after Toply filtering.  The species of the peaks in the fragmentation spectrum after Toply filtering.  The intensities of the peaks in the fragmentation spectrum after Toply filtering.  Mass deviations [Da]  The mass deviation of each peak in the fragmentation spectrum after Toply filtering.  The mass deviation of each peak in the fragmentation spectrum in about the spectrum in about the spectrum in about the spectrum of the spectrum in th	Precursor full scan number	The full scan number where the precursor ion was selected for
Precursor apex fraction  The fraction the intensity of the precursor ion makes up of the peak (apex) intensity.  Precursor apex offset  Precursor apex offset time  Precursor apex offset time  Precursor apex offset time  Author time the precursor ion is offset from the peak (apex) position.  Matches  Top species of the peaks in the fragmentation spectrum after Topk filtering.  Topk filtering.  Mass deviations [Da]  The intensities of the peaks in the fragmentation spectrum after Topk filtering.  Mass deviations [Da]  The mass deviation of each peak in the fragmentation spectrum after Topk filtering.  Mass deviations [pm]  The mass deviation of each peak in the fragmentation spectrum in the spectrum in patient per million.  Masses  The mass deviation of each peak in the fragmentation spectrum in the mass deviation of each peak in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the masses—over-charge of the masses—over-charge of the peaks in the fragmentation spectrum in the masses—over-charge of the masses—over-charge of the peaks in the fragmentation spectr	Precursor Intensity	The intensity of the precursor ion at the scan number it was
Precursor apex offset   How many full scans the precursor ion is offset from the peak (apex) position.   Precursor apex offset time   How much time the precursor ion is offset from the peak (apex) position.   Matches   The species of the peaks in the fragmentation spectrum after TopAf filtering.   Intensities   The intensities of the peaks in the fragmentation spectrum after TopAf filtering.   Mass deviations [Da]   The mass deviation of each peak in the fragmentation spectrum after TopAf filtering.   Mass deviations [ppm]   The mass deviation of each peak in the fragmentation spectrum in absolute mass units.   Masses   The mass deviation of each peak in the fragmentation spectrum in parts per million.   Masses   The mass deviation of each peak in the fragmentation spectrum in parts per million.   Masses   The mass deviation of each peak in the fragmentation spectrum in parts per million.   Masses   The mass deviation of each peak in the fragmentation spectrum parts per million.   Masses   The mass deviation of each peak in the fragmentation spectrum parts per million.   Masses   The mass deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum parts per million.   Masses   The masses deviation of each peak in the fragmentation spectrum that the spectrum that the spectrum that the fragmentation spectrum that the spectrum tha	Precursor apex fraction	The fraction the intensity of the precursor ion makes up of the
How much time the precursor ion is offset from the peak (apex) position.  Matches  The species of the peaks in the fragmentation spectrum after TopAl filtering.  The intensities of the peaks in the fragmentation spectrum after TopAl filtering.  The intensities of the peaks in the fragmentation spectrum after TopAl filtering.  Mass deviations [Da]  The mass deviation of each peak in the fragmentation spectrum and absolute mass units.  Masses  The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  Masses  The masses over-charge of the peaks in the fragmentation spectrum.  Number of matches  The number of peaks matching to the predicted fragmentation spectrum.  Number of matches  The number of peaks matching to the predicted fragmentation spectrum.  The masses over-charge of the peaks in the fragmentation spectrum.  The masses over-charge of the peaks in the fragmentation spectrum.  The masses over-charge of the peaks in the fragmentation spectrum.  The masses over-charge of the peaks in the fragmentation spectrum.  The masses over-charge of the peaks in the fragmentation spectrum spectrum.  The masses over-charge of the peaks in the fragmentation spectrum spectrum spectrum the spectrum spectrum spectrum spectrum spectrum spectrum.  The number of peaks matching to the predicted fragmentation spectrum sp	Precursor apex offset	How many full scans the precursor ion is offset from the peak
Matches  The species of the peaks in the fragmentation spectrum after Took filtering.  Intensities  The intensities of the peaks in the fragmentation spectrum after Took filtering.  The intensities of the peaks in the fragmentation spectrum after Took filtering.  The mass deviations [ppm]  The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  Masses  The spectrum in parts per million.  The masse deviation of peak in the fragmentation spectrum in parts per million.  Masses  The masse deviation of peak in the fragmentation spectrum.  Number of matches  The number of peaks matching to the predicted fragmentation spectrum.  Intensity coverage  The fraction of intensity in the MS/MS spectrum that is annotated.  Neutral loss level  How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type  For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated when marked with **, this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores  All sequences  All modified sequences  All modified sequences  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 1  Reporter intensity corrected 10  Reporter intensity corrected 10  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 15  Reporter intensity 2  Reporter intensity 3  Reporter intensity 4  Reporter intensity 6  Reporter intensity 1  R	Precursor apex offset time	How much time the precursor ion is offset from the peak (apex)
Intensities The intensities of the peaks in the fragmentation spectrum after Toph filtering.  Mass deviations [Da] The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  Masses The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  The masses—over-charge of the peaks in the fragmentation spectrum.  The masses—over-charge of the peaks in the fragmentation spectrum.  The masses—over-charge of the peaks in the fragmentation spectrum.  The masses—over-charge of the peaks in the fragmentation spectrum.  The macro overage The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated by a part of a protein derived from the reversed part of the decoy diabase. These should be removed for further data analysis.  All scores  All sequences  All modified sequences  All modified sequences  Reporter intensity corrected 1  Reporter intensity corrected 2  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 10  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity corrected 17  Reporter intensity corrected 18  Reporter intensity corrected 19  Reporter intensity corrected 19  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity 1  Re	Matches	The species of the peaks in the fragmentation spectrum after
Mass deviations [Da]  The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  The mass deviation of each peak in the fragmentation spectrum in absolute mass units.  The masses over-charge of the peaks in the fragmentation spectrum.  Number of matches  The masses-over-charge of the peaks in the fragmentation spectrum.  Intensity coverage  The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage  The fraction of intensity in the MS/MS spectrum that are annotated.  Peak coverage  The fraction of peaks in the MS/MS spectrum that are annotated.  For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated.  Reverse  The fraction of peaks in the MS/MS spectrum that are annotated.  When marked with "* I hip spectra several different combinations of ion series are scored. Here the highest scoring combinations is undicated.  When marked with "* I hip sparticular peptide was found to be other of a protein devin, of from the reversel part of the decoy detables.  All socres  All sequences  All sequences  All sequences  Reporter intensity corrected 1  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 9  Reporter intensity corrected 10  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity corrected 17  Reporter intensity corrected 18  Reporter intensity corrected 19  Reporter intensity 19  Reporter intensity 1  Reporter intensity 1  Reporter intensity 1	Intensities	The intensities of the peaks in the fragmentation spectrum after
Masses deviations [ppm] The mass deviation of each peak in the fragmentation spectrum in parts per million.  Masses The masses-over-charge of the peaks in the fragmentation spectrum. In parts per million.  The number of peaks matching to the predicted fragmentation spectrum.  The number of peaks matching to the predicted fragmentation spectrum.  The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated When marked with ". '. high particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All sequences  All modified sequences  Reporter intensity corrected 1  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 9  Reporter intensity corrected 1  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 15  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity corrected 17  Reporter intensity corrected 18  Reporter intensity corrected 18  Reporter intensity corrected 19  Reporter intensity 1  Reporter intensi	Mass deviations [Da]	The mass deviation of each peak in the fragmentation
Masses The masses-over-charge of the peaks in the fragmentation spectrum.  Number of matches The number of peaks matching to the predicted fragmentation spectrum.  Intensity coverage The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level How may neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated When marked with *1, this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All sequences All modified sequences  Reporter intensity corrected 1  Reporter intensity corrected 2  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 1  Reporter intensity or corrected 1  Reporter intensity 1  Reporter inte	Mass deviations [ppm]	The mass deviation of each peak in the fragmentation
Number of matches  The number of peaks matching to the predicted fragmentation spectrum. Intensity coverage  The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage  The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level  How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type  For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated when marked with "+", this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores  All sequences  All sequences  All modified sequences  Reporter intensity corrected 1  Reporter intensity corrected 2  Reporter intensity corrected 4  Reporter intensity corrected 5  Reporter intensity corrected 6  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 9  Reporter intensity corrected 10  Reporter intensity corrected 11  Reporter intensity corrected 12  Reporter intensity corrected 13  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity corrected 15  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity 10  Reporter intensity 7  Reporter intensity 1  Reporter intensity 14  Reporter intensity 14	Masses	The masses-over-charge of the peaks in the fragmentation
Intensity coverage  The fraction of intensity in the MS/MS spectrum that is annotated.  Peak coverage The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated.  When marked with "+, this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores All sequences All sequences All modified sequences Reporter intensity corrected 1 Reporter intensity corrected 3 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 6 Reporter intensity corrected 9 Reporter intensity corrected 9 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity 10 Reporter intensity 1 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensit	Number of matches	The number of peaks matching to the predicted fragmentation
Peak coverage  The fraction of peaks in the MS/MS spectrum that are annotated.  Neutral loss level  How many neutral losses were applied to each fragment in the Andromeda scoring.  ETD identification type  For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated When marked with "+, this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores  All sequences  All sequences  Reporter intensity corrected 1  Reporter intensity corrected 2  Reporter intensity corrected 3  Reporter intensity corrected 4  Reporter intensity corrected 4  Reporter intensity corrected 6  Reporter intensity corrected 7  Reporter intensity corrected 8  Reporter intensity corrected 10  Reporter intensity corrected 11  Reporter intensity corrected 11  Reporter intensity corrected 13  Reporter intensity corrected 14  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 14  Reporter intensity corrected 15  Reporter intensity corrected 16  Reporter intensity corrected 17  Reporter intensity corrected 18  Reporter intensity corrected 19  Reporter intensity 10  Reporter intensity 1  Reporter intensity 14  Reporter intensity 14  Reporter intensity 15	Intensity coverage	The fraction of intensity in the MS/MS spectrum that is
Andromeda scoring.  FTD identification type FTD ETD spectrs several different combinations of ion series are scored. Here the highest scoring combination is indicated  When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores All sequences All sequences All modified sequences Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 5 Reporter intensity 6 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 14 Reporter intensity 15	Peak coverage	The fraction of peaks in the MS/MS spectrum that are
are scored. Here the highest scoring combination is indicated  Reverse  When marked with '-', this particular peptide was found to be part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All scores  All sequences  All modified sequences Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 9 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 15 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 3 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	Neutral loss level	How many neutral losses were applied to each fragment in the Andromeda scoring.
part of a protein derived from the reversed part of the decoy database. These should be removed for further data analysis.  All sequences All sequences Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 6 Reporter intensity 8 Reporter intensity 8 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 10 Reporter intensity 11 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 12 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	ETD identification type	For ETD spectra several different combinations of ion series are scored. Here the highest scoring combination is indicated
All sequences All modified sequences Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	Reverse	When marked with '+', this particular peptide was found to be part of a protein derived from the reversed part of the decoy
All modified sequences Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 3 Reporter intensity 4 Reporter intensity 6 Reporter intensity 4 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	All scores	
Reporter intensity corrected 1 Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 12 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	All sequences	
Reporter intensity corrected 2 Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 5 Reporter intensity 6 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	All modified sequences	
Reporter intensity corrected 3 Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 17 Reporter intensity corrected 18 Reporter intensity corrected 19 Reporter intensity corrected 19 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity corrected 10 Reporter intensity 2 Reporter intensity 3 Reporter intensity 3 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	·	
Reporter intensity corrected 4 Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15		
Reporter intensity corrected 5 Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 3 Reporter intensity 6 Reporter intensity 7 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity corrected 6 Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 7 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 11 Reporter intensity 10 Reporter intensity 11 Reporter intensity 11 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14		
Reporter intensity corrected 7 Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity corrected 16 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15 Reporter intensity 15		
Reporter intensity corrected 8 Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 13 Reporter intensity 13 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15		
Reporter intensity corrected 9 Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15		
Reporter intensity corrected 10 Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity corrected 11 Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 13 Reporter intensity 13 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity corrected 12 Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity corrected 13 Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 12 Reporter intensity 14 Reporter intensity 15 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	· · · · · · · · · · · · · · · · · · ·	
Reporter intensity corrected 14 Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15 Reporter intensity 15 Reporter intensity 11 Reporter intensity 12 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15		
Reporter intensity corrected 15 Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15		
Reporter intensity corrected 16 Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 14 Reporter intensity 15	' '	
Reporter intensity 1 Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 2 Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 3 Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 4 Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 5 Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 6 Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 7 Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 8 Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 9 Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 10 Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 11 Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15	·	
Reporter intensity 12 Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 13 Reporter intensity 14 Reporter intensity 15		
Reporter intensity 15		
· · · · · · · · · · · · · · · · · · ·		
Reporter intensity 16	Reporter intensity 15	
	Reporter intensity 16	

Reporter mass deviation [mDa] 1	
Reporter mass deviation [mDa] 2	
Reporter mass deviation [mDa] 3	
Reporter mass deviation [mDa] 4	
Reporter mass deviation [mDa] 5	
Reporter mass deviation [mDa] 6	
Reporter mass deviation [mDa] 7	
Reporter mass deviation [mDa] 8	
Reporter mass deviation [mDa] 9	
Reporter mass deviation [mDa] 10	
Reporter mass deviation [mDa] 11	
Reporter mass deviation [mDa] 12	
Reporter mass deviation [mDa] 13	
Reporter mass deviation [mDa] 14	
Reporter mass deviation [mDa] 15	
Reporter mass deviation [mDa] 16	
Reporter PIF	
Reporter fraction	
id	A unique (consecutive) identifier for each row in the msms table, which is used to cross-link the information in this file with the information stored in the other files.
Protein group IDs	The identifier of the protein-group this redundant peptide sequence is associated with, which can be used to look up the extended protein information in the file 'proteinGroups.txt'. As a single peptide can be linked to multiple proteins (e.g. in the case of razor-proteins), multiple id's can be stored here separated by a semicolon.  As a protein can be identified by multiple peptides, the same id can be found in different rows.
Peptide ID	The identifier of the non-redundant peptide sequence.
Mod. peptide ID	Identifier of the associated modification summary stored in the file 'modificationSpecificPeptides.txt'.
Evidence ID	Identifier of the associated evidence stored in the file 'evidence.txt'.
Oxidation (M) site IDs	Identifier of the associated entry stored in the file 'Oxidation (M)Sites.txt'.